

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER U.S. APPLICATION NO. (If known, See 37 CFR 1.5) 10/559755
INTERNATIONAL APPLICATION NO. PCT/EP2004/006322	INTERNATIONAL FILING DATE June 11, 2004	PRIORITY DATE CLAIMED June 11, 2003
TITLE OF INVENTION Electronic Assembly For Switching Electric Power		
APPLICANT(S) FOR DO/EO/US Andreas Gründl and Bernhard Hoffmann		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. submitted December 14, 2004 (and attached to Form PCT 409) 8. <input checked="" type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (Unsigned) 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (PTO Form 1449, copies of 12 References, plus International Search Report) 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/559755	INTERNATIONAL APPLICATION NO. PCT/EP2004/006322	ATTORNEY'S DOCKET NUMBER										
20. Other items or information: <p style="text-align: center;">Copies of the following PCT forms: PCT/ISA/220; PCT/ISA/237, PCT/IPEA/402, PCT/416, PCT/409</p>												
The following fees have been submitted		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE ONLY</th> </tr> </table>	CALCULATIONS	PTO USE ONLY								
CALCULATIONS	PTO USE ONLY											
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 300</td> <td style="width:50%;"></td> </tr> </table>	\$ 300									
\$ 300												
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 200</td> <td style="width:50%;"></td> </tr> </table>	\$ 200									
\$ 200												
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 400</td> <td style="width:50%;"></td> </tr> </table>	\$ 400									
\$ 400												
TOTAL OF 21, 22 and 23 =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$900</td> <td style="width:50%;"></td> </tr> </table>	\$900									
\$900												
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%;"></td> </tr> </table>										
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">Total Sheets</th> <th style="width:20%;">Extra Sheets</th> <th style="width:40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:20%;">RATE</th> </tr> <tr> <td style="text-align: center;">- 100 =</td> <td style="text-align: center;">/50 =</td> <td></td> <td style="text-align: center;">x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =		x \$250	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$</td> <td style="width:50%;"></td> </tr> </table>		\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE									
- 100 =	/50 =		x \$250									
\$												
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$									
\$												
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> </tr> <tr> <td style="text-align: center;">Total claims</td> <td style="text-align: center;">12 - 20 =</td> <td></td> <td style="text-align: center;">x \$ 50</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	12 - 20 =		x \$ 50	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>		\$ 0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE									
Total claims	12 - 20 =		x \$ 50									
\$ 0												
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> </tr> <tr> <td style="text-align: center;">Independent claims</td> <td style="text-align: center;">1 - 3 =</td> <td></td> <td style="text-align: center;">x \$200</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Independent claims	1 - 3 =		x \$200	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>		\$ 0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE									
Independent claims	1 - 3 =		x \$200									
\$ 0												
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>	\$ 0								
\$ 0												
TOTAL OF ABOVE CALCULATIONS =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$									
\$												
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%;"></td> </tr> </table>										
SUBTOTAL =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 900</td> <td style="width:50%;"></td> </tr> </table>	\$ 900									
\$ 900												
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$									
\$												
TOTAL NATIONAL FEE =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 900</td> <td style="width:50%;"></td> </tr> </table>	\$ 900									
\$ 900												
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$									
\$												
TOTAL FEES ENCLOSED =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$ 900</td> <td style="width:50%;"></td> </tr> </table>	\$ 900									
\$ 900												
Amount to be refunded:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$									
\$												
Amount to be charged		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$									
\$												

10/559755

PTO-1390 (REV. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

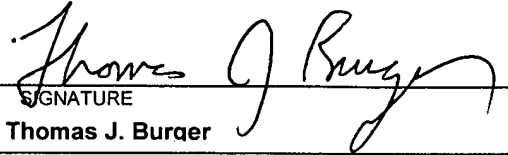
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- AP16 PATENT PTO 07 DEC 2005**
- a. ☒ A check in the amount of \$ 900.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3000. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Thomas J. Burger, Esq.
Wood Herron & Evans, LLP
2700 Carew Tower
441 Vine Street
Cincinnati, Ohio 45202-2917


SIGNATURE

Thomas J. Burger

NAME

32.662

REGISTRATION NUMBER

10/559755

PATENT

Application Based on: PCT/EP2004/006322

Filed: June 11, 2004

Applicant: Andreas Gründl and Bernhard Hoffmann

Title: Electronic Assembly For Switching Electric Power

LAP16 Rec'd PCT/EP 07 DEC 2005

Cincinnati, Ohio 45202

December 7, 2005

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF EXPRESS MAILING

"EXPRESS MAIL" MAILING LABEL NO. EV110124197US

DATE OF DEPOSIT: December 7, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Signature of person mailing paper or fee

Enclosures:

1. – Certificate of Express Mailing (EV110124197US)
2. – Transmittal Letter to the United States Designated/Elected Office
(DO/EO/US) Concerning A Filing Under 35 U.S.C. 371 (Form PTO-1390) (In Duplicate)
3. – Verified English translation of PCT Application No. PCT/EP2004/006322 (13 pages of written specification, including 13 claims and 1 page Abstract, plus 4 pages with 5 Figures)
4. – Preliminary Amendment (to eliminate multiple dependent claims)
5. – An Unexecuted Declaration, Power of Attorney, and Petition
6. – An Information Disclosure Statement along with PTO Form 1449 listing 12 references, and Search Report (Forms PCT/ISA/210, 220), plus copies of the references and Search Report
7. – Copy of PCT Form PCT/409, International Preliminary Examination Report (9 total pages), along with Verified English language translation of the 12 claims addressed in the International Preliminary Examination Report
8. – Cover page of published PCT Application No. PCT/EP2004/006322
9. – Copies of PCT Forms PCT/ISA/237 PCT/IPEA/402; PCT/IPEA/416
10. – Check in the amount of \$900
11. – Return Postcard

359755

IAPI6 RECEIVED 07 DEC 2005

VERIFICATION OF A TRANSLATION

I, the below named translator, hereby declare that:

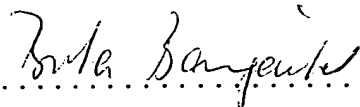
My name and post office address are as stated below:

Brita Baumgärtel
Mittermayrstr. 12
D-80796 München

I am knowledgeable about the English language and about the language in which the below identified international application PCT/EP 2004/006322 was filed, and I believe the English translation of is a true and complete translation of the above international application as filed.

I hereby declare that all statements made therein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

Munich, October 22, 2005


.....
(Translator)